

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

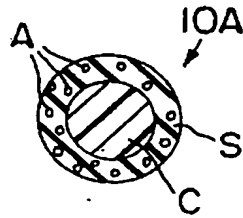


FIG. 1A

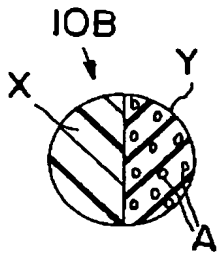


FIG. 1B

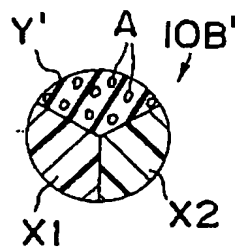


FIG. 1B'

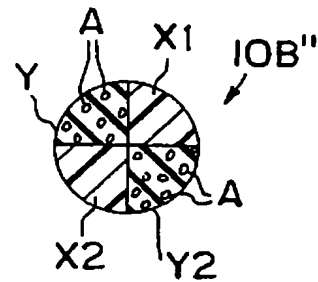


FIG. 1B''

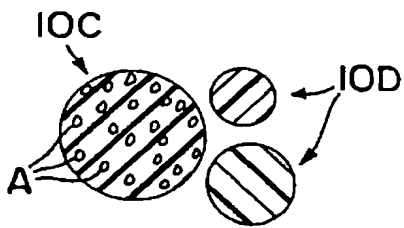


FIG. 1C

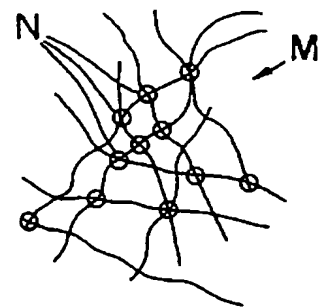


FIG. 2

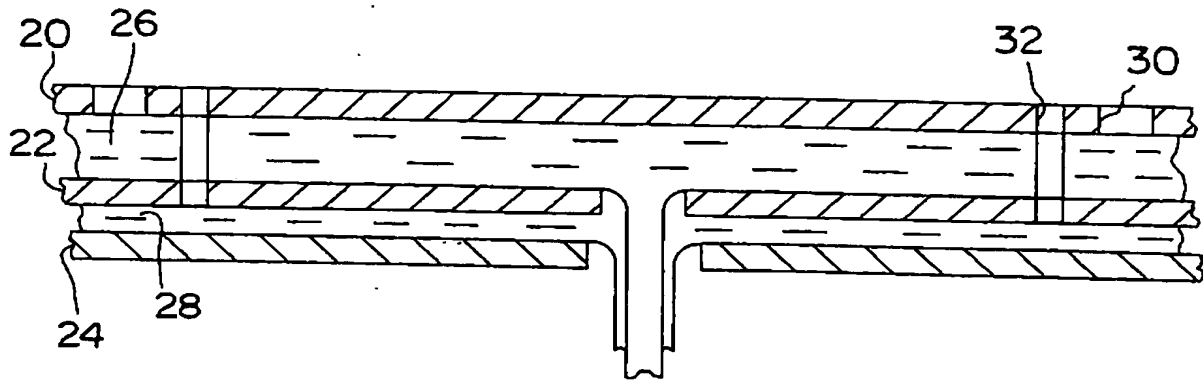


FIG. 4

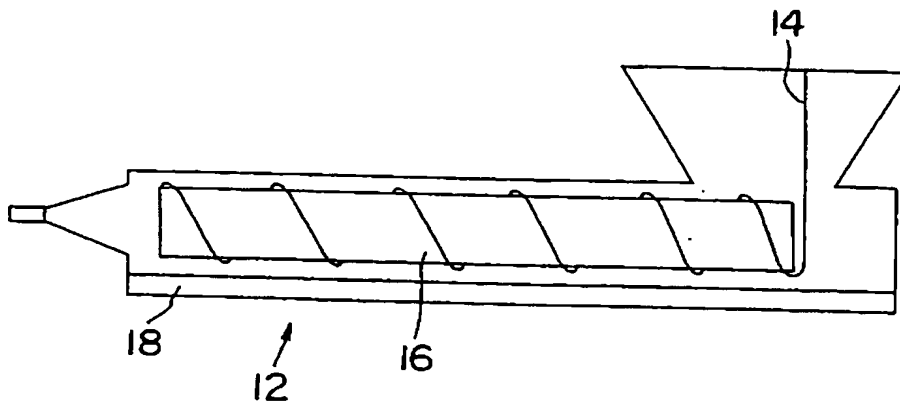


FIG. 3



FIG. 5

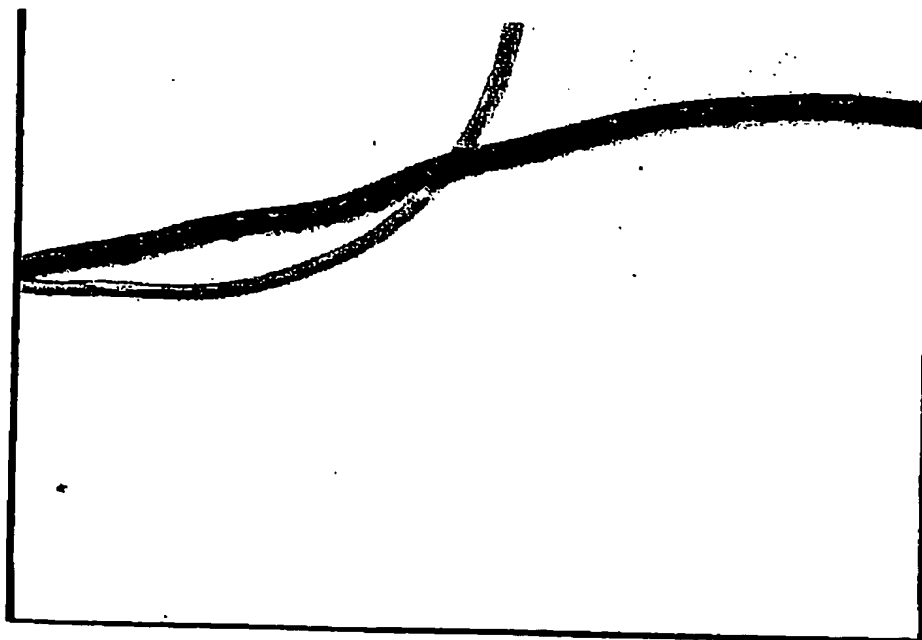


FIG 6

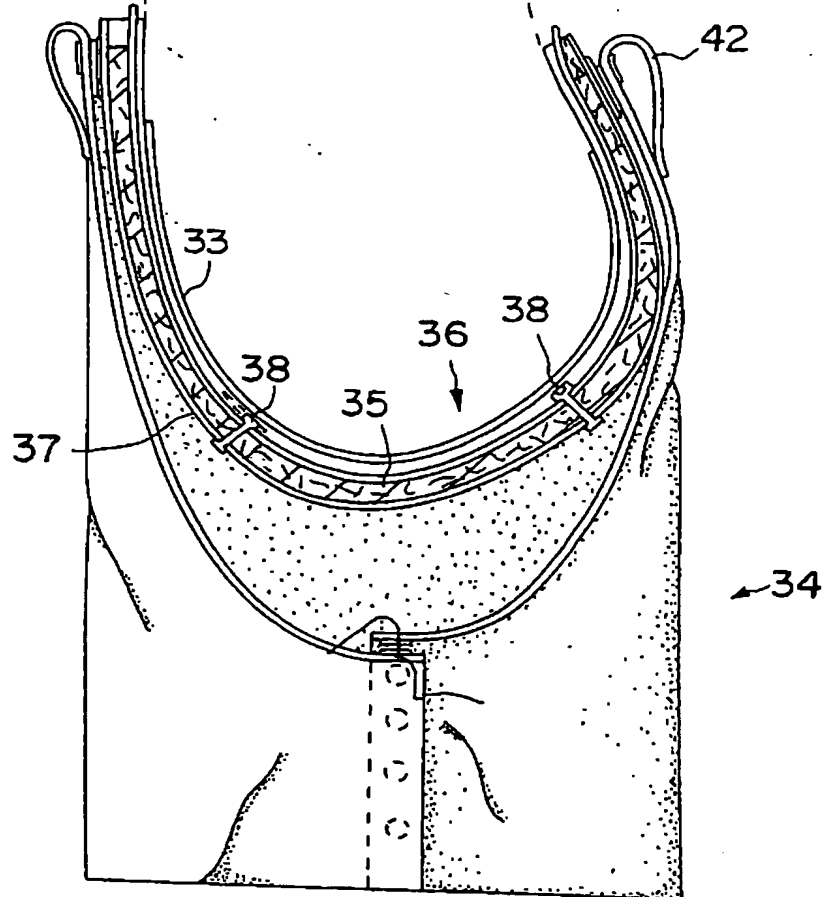


FIG. 7

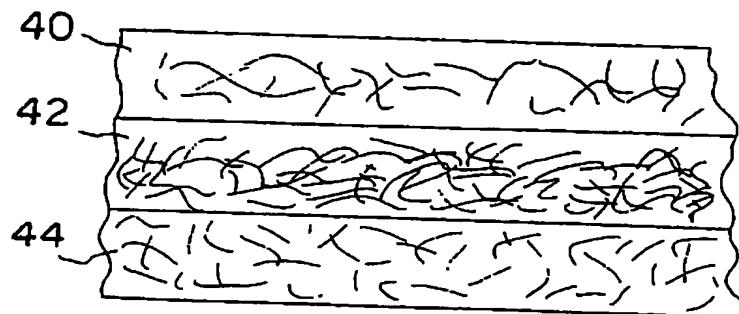


FIG. 8

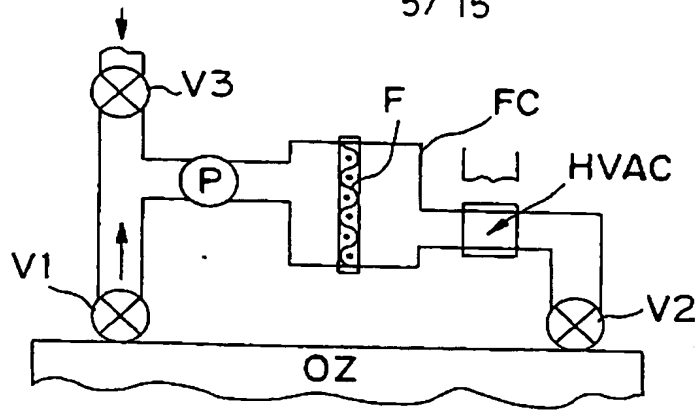


FIG. 9A

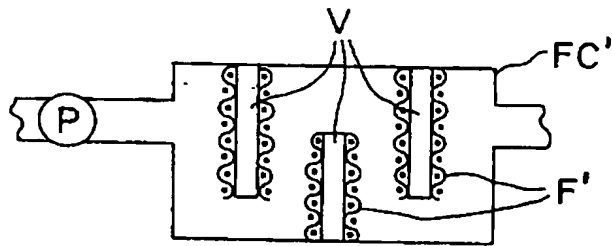


FIG. 9B

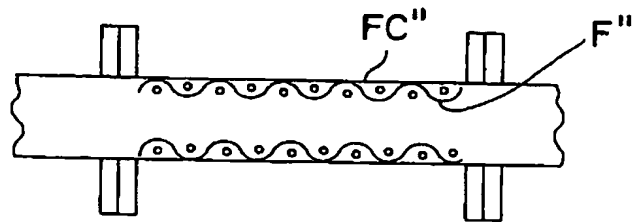


FIG. 9C

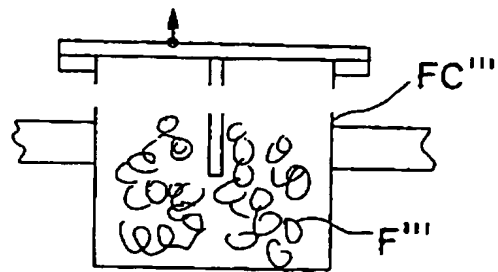


FIG. 9D

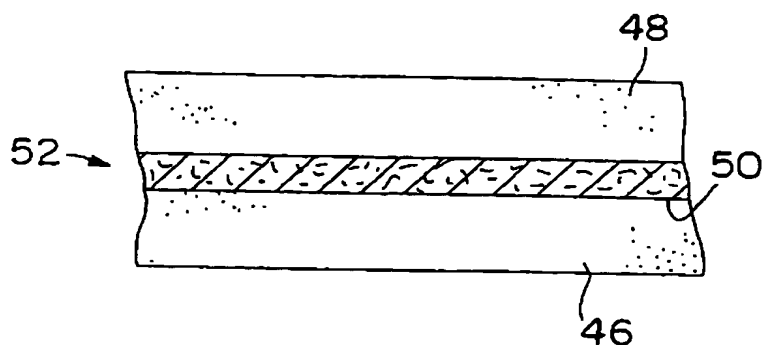


FIG. 10

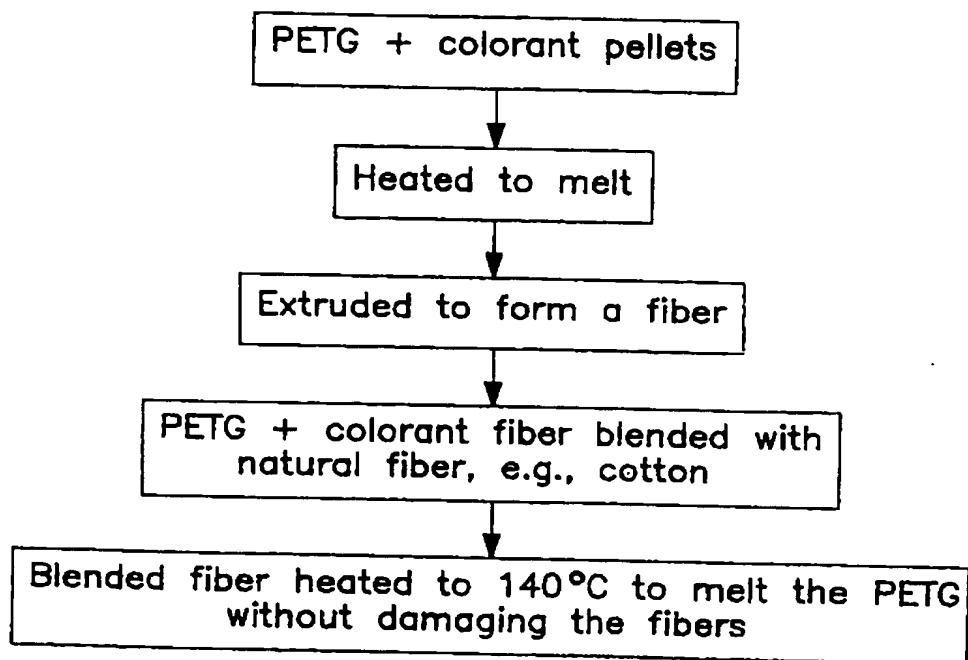


FIG. 11

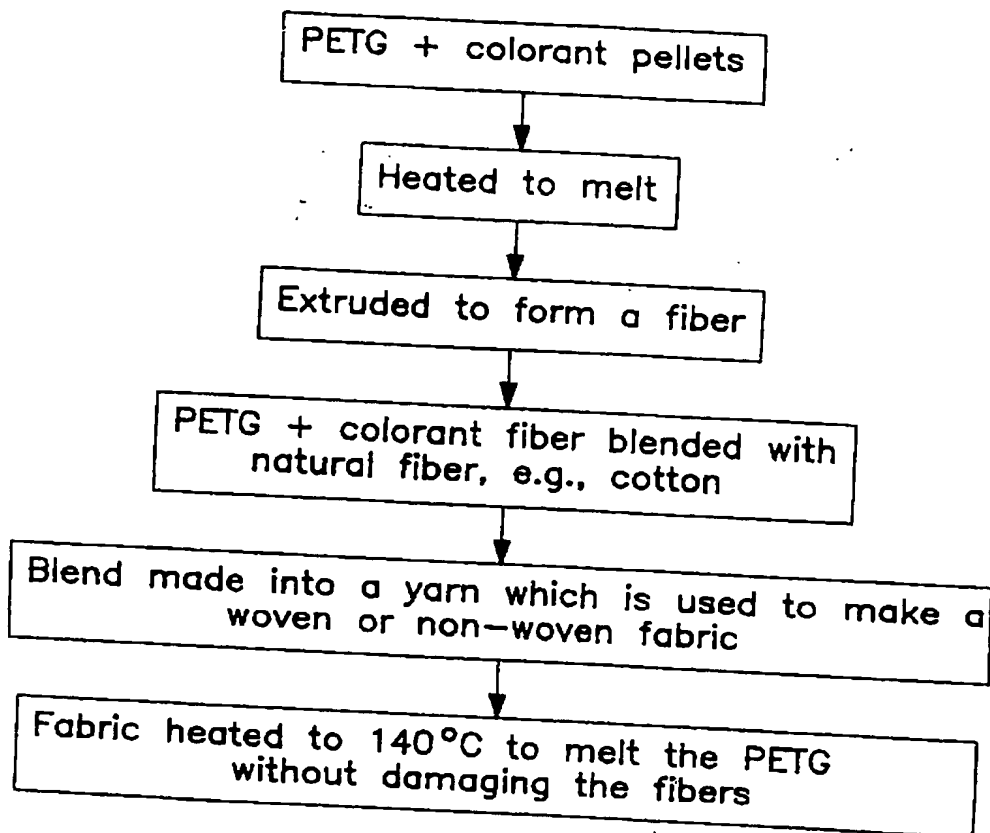


FIG. 12

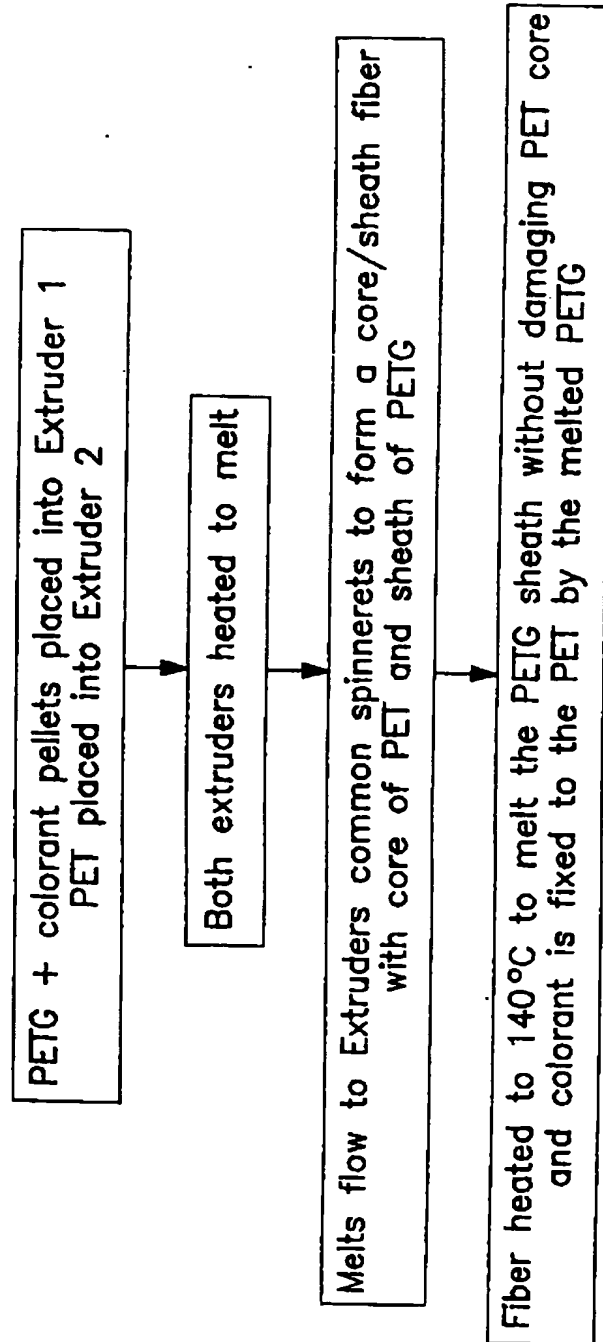


FIG. 13

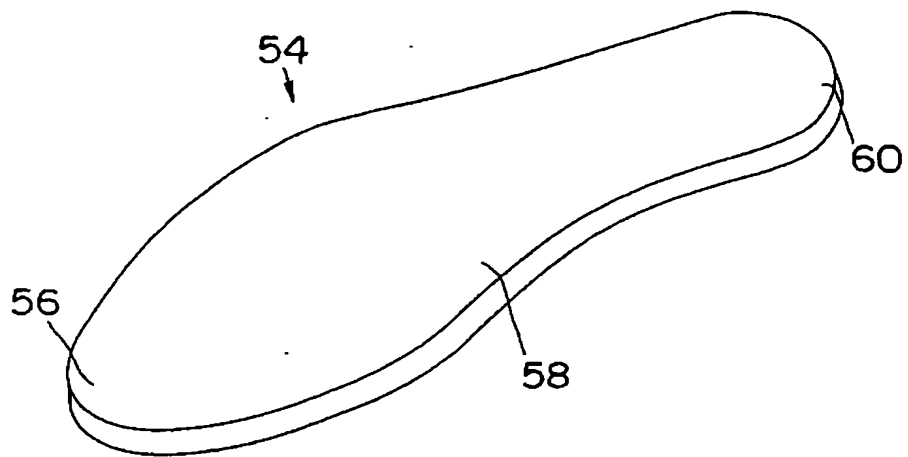


FIG. 14

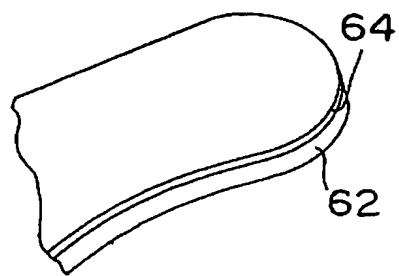


FIG. 15

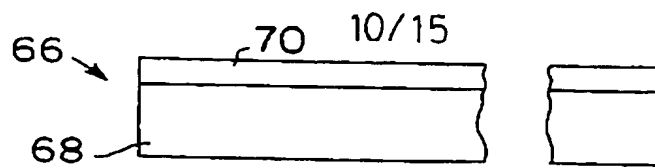


FIG. 16

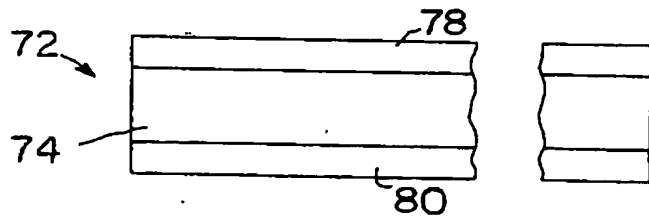


FIG. 17

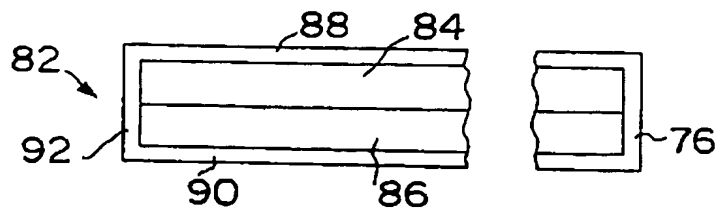


FIG. 18

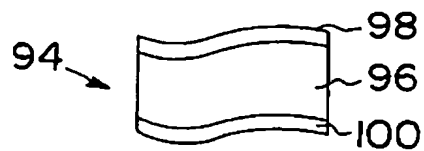


FIG. 19

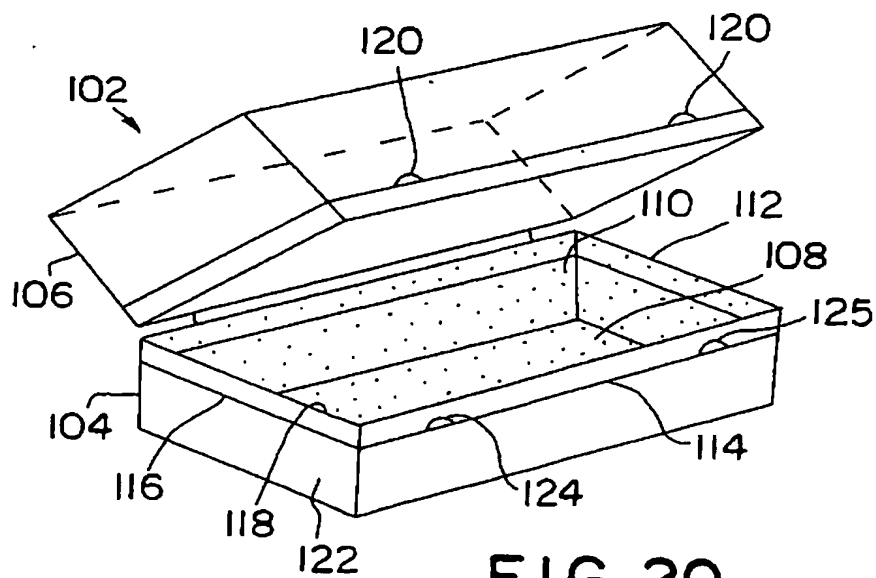


FIG. 20

A cross-sectional view of a multi-layered assembly. The assembly consists of several horizontal layers (134A, 134B, 134C, 134E) sandwiched between two vertical end plates (140). A central vertical rod (151) passes through the layers, secured by a nut (146) at the top. The bottom of the assembly features a base (144) with a central opening (162) and side openings (164, 160). A horizontal rod (142) is positioned at the bottom, passing through the side openings. The entire assembly is housed within a larger structure (156, 158).

FIG. 22

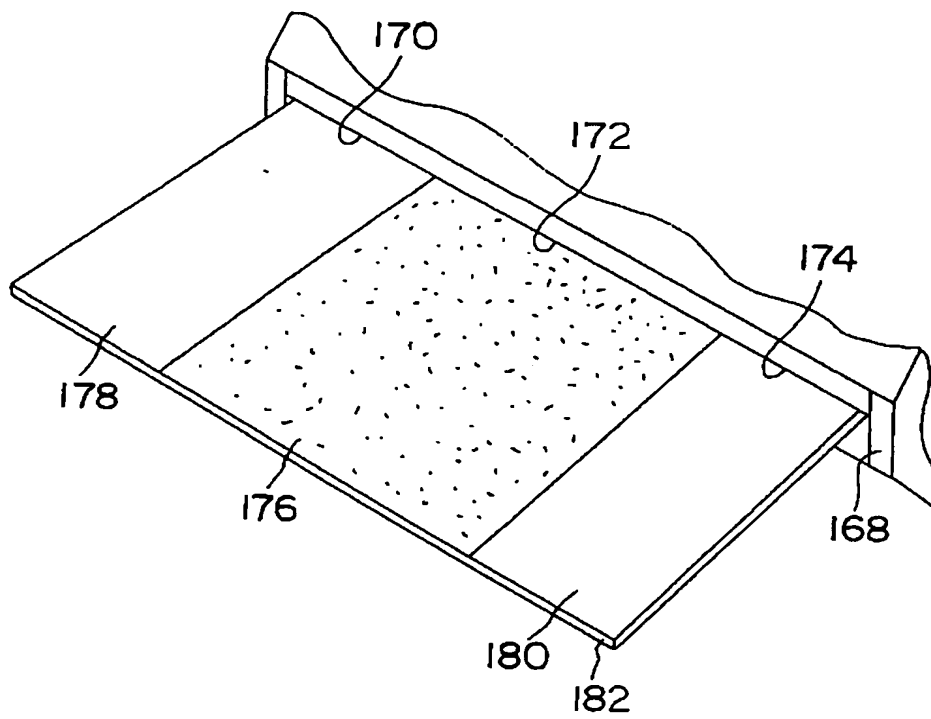


FIG. 23

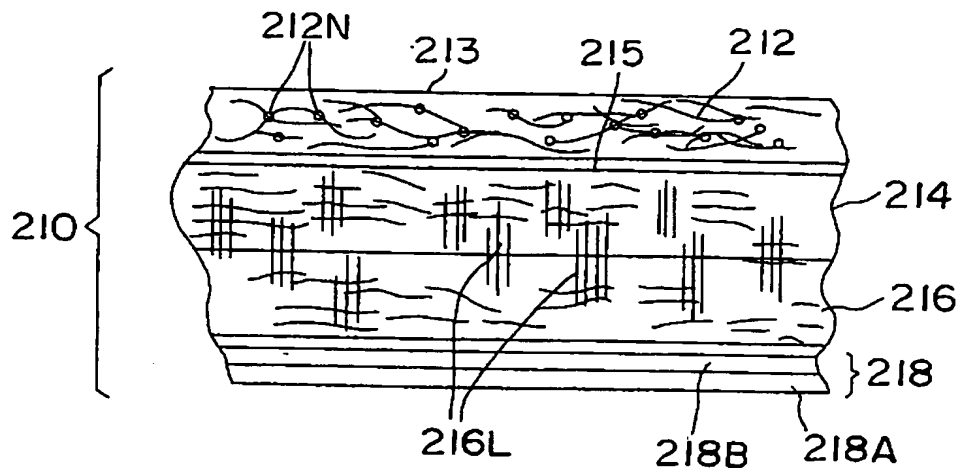


FIG. 24

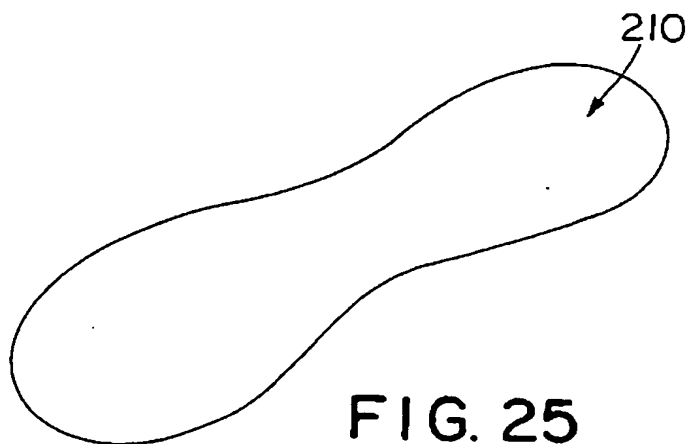


FIG. 25

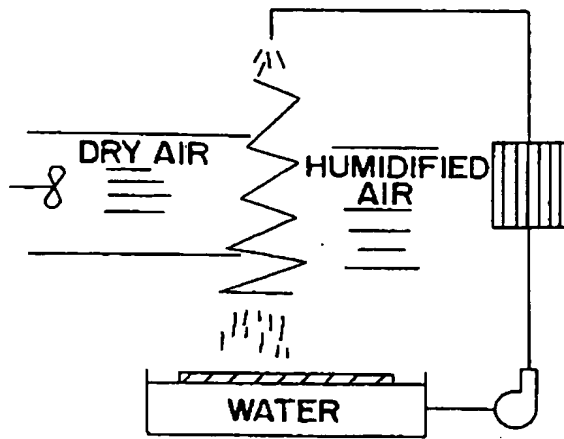


FIG. 29

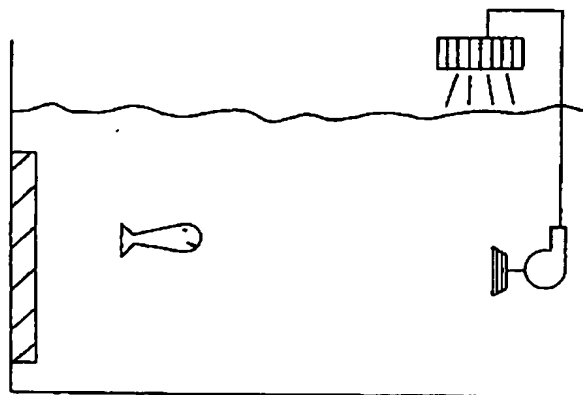


FIG. 30



FIG. 26

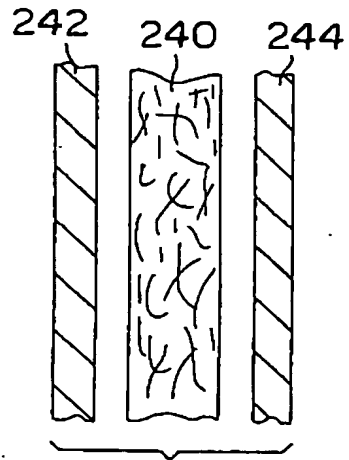


FIG. 27

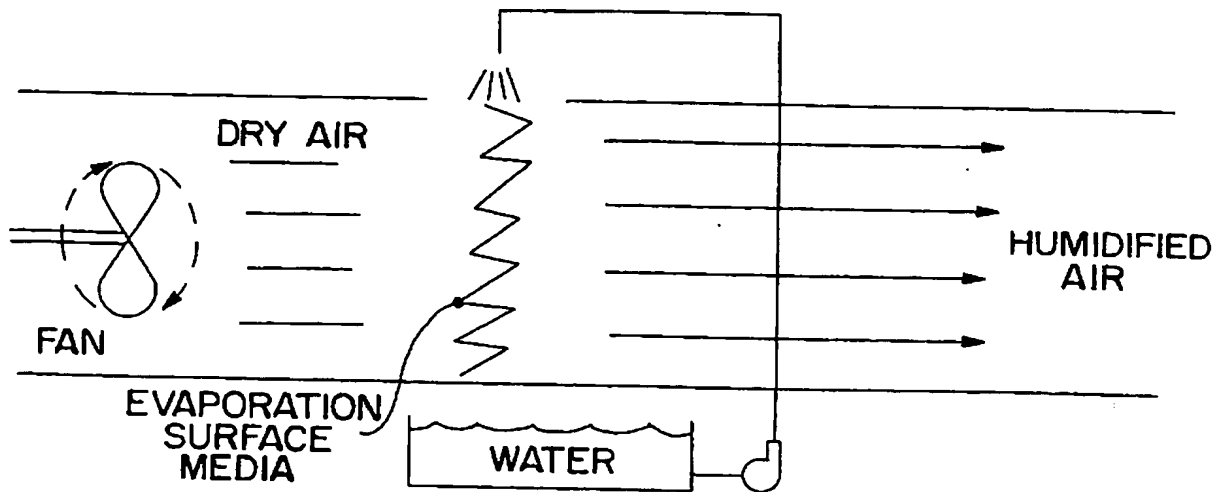


FIG. 28